

ATTORNEY'S DOCKET NO. G0631/7014 SJH

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Timothy J. Cummins et al  
Serial No: 09/639,197  
Filed: August 15, 2000  
For: INTEGRATED CIRCUIT WITH A HIGH RESOLUTION ANALOG TO DIGITAL  
CONVERTOR, A MICROCONTROLLER AND HIGH DENSITY MEMORY AND  
AN EMULATOR FOR AN EMULATOR FOR AN INTEGRATED CIRCUIT  
Examiner: --  
Art Unit: 2763

**HAND-DELIVERY TO GROUP 2763**

COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Sir:

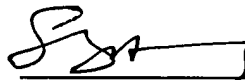
Transmitted herewith are the following documents:

- [ x ] Information Disclosure Statement
- [ x ] PTO Form 1449 and references cited

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

No check is enclosed to cover the filing fee. If the fees are insufficient, the balance may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,



Steven J. Henry  
Reg. No. 27,900  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210-2211  
(617)720-3500

Docket No.: G0631/7014  
Date: November 16, 2001

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D. Dwyer  
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**HAND-DELIVERY TO GROUP 2763**

COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Sir:

STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

(Select A, B, C or D below)

A. ☒ This Information Disclosure Statement has been filed

(check 1, 2, 3 **and/or** 4 below)

1. ☐ within three months of the filing date of a National Application.
2. ☐ within three months of the filing date of the entry of the National Stage, as set forth in 37 C.F.R. §1.491, in an International application **other than a continued prosecution application under 37 C.F.R. §1.53(d).**
3. ☒ before the mailing date of a first Office Action on the merits in the above-identified case.
4. **Before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114.**

No fee or certification is required.

B. ☐ This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, **or an action that otherwise closes prosecution in this application.**

(check 1 or 2 below)

1. ☐ The fee of **\$180** as set forth in 37 C.F.R. §1.17(p) is enclosed.
2. ☐ The Applicant hereby states, as specified in 37 C.F.R. §1.97(e), that

(check a or b below)

- a. ☐ each item of information contained in this Information Disclosure Statement was **first** cited in **any** communication from a foreign Patent Office in a counterpart for this application not more than three months prior to the filing of this Statement. No fee is required; **or**
- b. ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application, and, to the knowledge of the person signing the **certification** after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Statement. No fee is required.

C. ☐ This Information Disclosure Statement has been filed after the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311 and is being filed on or before payment of an Issue Fee.

1. The Applicant hereby states, as specified in 37 C.F.R. §1.97(e), that:

(check a or b below)

- a. ☐ each item of information contained in this Information Disclosure Statement was **first** cited in **any** communication from a foreign Patent Office in a counterpart for this application not more than three months prior to the filing of this Statement.

- b. ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent Office in a counterpart for this application, and, to the knowledge of the person signing the **certification** after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Statement.

2. The **IDS processing** fee of **\$180** as set forth in 37 C.F.R. §1.17(p) is enclosed.

**PTA**

☐ **Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart application and this communication was not received by the office of the undersigned more than 30 days prior to filing of this Information Disclosure Statement.**

**PART II: Information Cited**

A. ☒ The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

B. ☐ The Applicant hereby makes the following additional information of record in the above-identified application.

1. ☐ **The above-identified U.S. application claims priority to application Serial No. PCT/USxx/xxxxx. If the Examiner has not had the benefit of review of the file history of PCT/Usxx/xxxxx, then he/she is asked to contact the undersigned, who will provide a copy of same.**

2. [ x ] The applicant would like to bring to the Examiner's attention the following co-pending (or issued) applications that may contain subject matter related to this application, a copy of each of which is enclosed:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Title of Application</u>
09/019943 [Patent No. 6,289,300 issued 09/11/01] (G0631/7001)	02/06/98	INTEGRATED CIRCUIT WITH EMBEDDED EMULATOR & EMULATION SYSTEM FOR USE WITH SUCH AN INTEGRATED CIRCUIT
09/019789 [Patent No. 6,230,119 issued 05/08/01] (G0631/7002)	02/06/98	INTEGRATED CIRCUIT WITH EMBEDDED EMULATOR & EMULATION SYSTEM FOR USE WITH SUCH AN INTEGRATED CIRCUIT
09/020088 (G0631/7003)	02/06/98	MEMORY AND A DATA PROCESSOR INCLUDING A MEMORY
09/020021 (abandoned – copy not enclosed) (G0631/7004)	02/06/98	INTEGRATED CIRCUIT WITH A HIGH RESOLUTION ANALOG TO DIGITAL CONVERTOR, A MICROCONTROLLER AND HIGH DENSITY MEMORY AND AN EMULATOR FOR AN INTEGRATED CIRCUIT.
09/019946 (G0631/7005)	02/06/98	ANALOG-TO-DIGITAL CONVERTER WITH DIRECT MEMORY ACCESS
09/095451 (G0631/7006)	06/10/98	METHOD AND CIRCUIT FOR DETECTING THE PRESENCE OF A TELEVISION OR OTHER DEVICE ON THE OUTPUT OF A VIDEO DIGITAL TO ANALOG CONVERTER
09/854,983 (G0631/7016)	05/14/01	INTEGRATED CIRCUIT WITH A HIGH RESOLUTION ANALOG TO DIGITAL CONVERTOR, A MICROCONTROLLER AND HIGH DENSITY MEMORY AND AN EMULATOR FOR AN EMULATOR FOR AN INTEGRATED CIRCUIT

[NOTE - Must provide a copy of any pending U.S. application, even if it was previously submitted to the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

PART III: Explanation of Non-English Language References and Remarks Concerning Other Information Cited

The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):

The following are remarks concerning the other information cited:

PART IV: Remarks

Documents cited on the attached form PTO-1449 (modified) are enclosed unless otherwise indicated on the attached form PTO-1449 (modified). It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

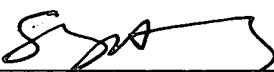
By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By:   
\_\_\_\_\_  
Steven J. Henry, Reg. No. 27,900  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210  
Telephone (617) 720-3500

Docket No. G0631/7014 SJH  
Dated: November 15, 2001  
**xndd**